

SYSTEM 4_{xi}

PROJECTOR COMMUNICATIONS KIT

ATTENTION!

PLEASE READ THIS DOCUMENT FOR IMPORTANT INSTALLATION INSTRUCTIONS

THIS KIT HAS BEEN SHIPPED WITH THE FOLLOWING COMPONENTS:

Kit Type: HUGHES

Included Communications Adapter(s):

<u>Quantity</u>	<u>Part Number</u>	<u>Description</u>
1	26-467-01	ADP, UNV, "A"

THE TABLE BELOW LISTS THE POSSIBLE CONFIGURATION(S) AND CORRESPONDING COMMUNICATIONS ADAPTER(S) FOR YOUR PROJECTOR MANUFACTURER'S VARIOUS MODELS. **PLEASE NOTE THAT YOUR SWITCHER HAS BEEN CONFIGURED AS INDICATED BY THE "✓" IN THE "CONFIG AS" COLUMN.** IF YOUR PROJECTOR MODEL **DIFFERS** FROM THIS CONFIGURATION, YOU **MUST** RECONFIGURE YOUR SWITCHER WITH THE CORRECT SETTINGS.

PLEASE REFER TO THE FOLLOWING PAGES FOR COMPLETE CONFIGURATION AND SIGNAL CONNECTION INSTRUCTIONS.

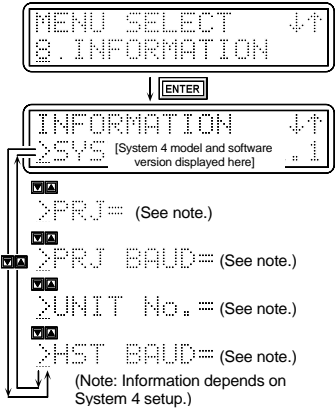
THIS SWITCHER HAS BEEN CONFIGURED FOR: HUGHES

CONFIG AS	MODEL	SW1				SW2	SW3	SW4	SW5	SW6	PROJ CABLE	COMM ADAPTER
		1	2	3	4							
✓	Hughes-JVC	off	on	off	on	0	0	5	6	0	J15	26-467-01
	Hughes DILA	off	on	off	on	0	0	8	F	0	J15	26-467-01

Connecting System 4*xi* to Hughes/JVC Projectors

If the System 4*xi* is already configured for a Hughes/JVC projector, **go to step 4**. If it is not set up correctly, it will be necessary to change switch settings on the System 4*xi*'s Main Controller Board. Begin at Step 1 to verify the correct configuration.

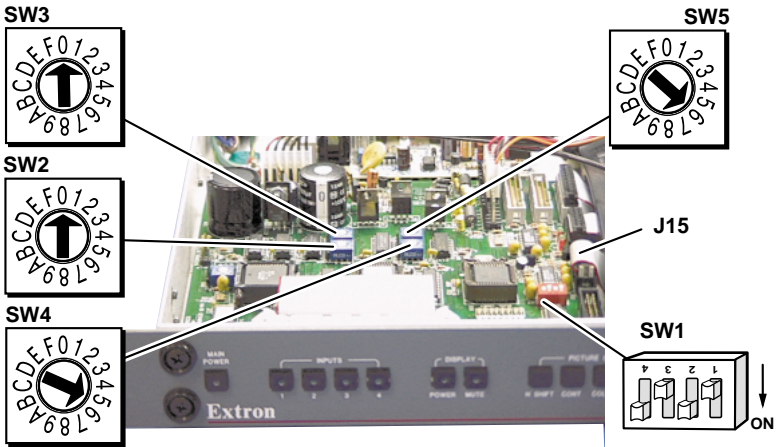
1. Use the Front Panel to display the Information Menu to verify that the System 4*xi* is already set up for the Hughes/JVC projector. Apply power to the System 4*xi* and do the following:



- a. Press **[MENU]** to display the MENU SELECT on the LCD screen.
- b. Press **▼** or **▲** to step to Menu 8.
- c. Press **[ENTER]** to select this menu.
- d. Press **▼** or **▲** to display the configuration. The example to the left is general, yours will show the System 4*xi* model name, the software version and the following information:
PRJ = HUGHES
PRJ BAUD = 19200
UNIT No.= 000
HST BAUD = 9600 (value depends upon setup Menu 3)

2. Go to the procedure on page 2-3 to remove the System 4*xi* cover and then go to page 2-4 to set up the Main Controller board. Return to Step 3 (below) when the configuration is correct.

Config as	Projector	SW1: 1-2-3-4	SW2	SW3	SW4	SW5	SW6	Prj Cable	Comm Adapter
✓	Hughes-JVC	off-on-off-on	0	0	5	6	0	J15	26-467-01



3. Double-check your work and be sure the System 4*xi* cover is on securely.
4. Install the System 4*xi* in its place of operation (i.e. rack), but do **not** connect the power cable.



*Changes in some switch configurations are not detected until the power is removed **at the AC cord**, and then restored.*

Follow the correct cable connection diagram for your Hughes projector and continue the installation.

5. The UNV ADP, "A" (26-467-01) has two 9-pin connectors, one male and one female. Plug the 9-pin female connector onto the 9-pin male marked "Control Out" (Port B) on the Hughes projector back panel.

6. Plug the 15-pin HD connector of the Projector Communications Extension cable (CC 50' or CC 100') into the PJ Comm port on the System 4. The other end has a 9-pin female connector. Plug this end into the other 9-pin male D connector on the HU COM adapter.



Secure all of the connector screws.

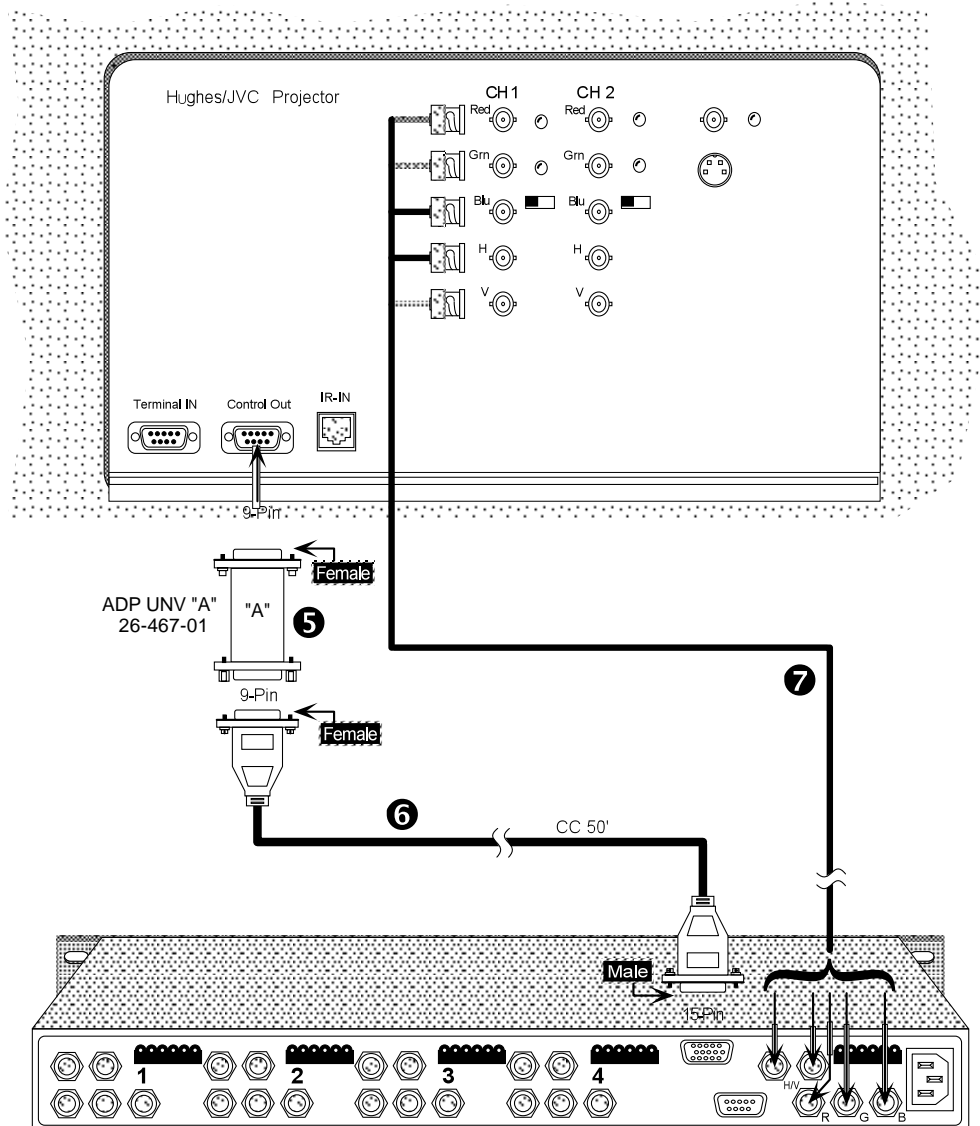
7. Plug the (4 or 5) BNC connectors from one end of the (user-supplied) RGBS/HV cable onto the System 4 output and those on the other end onto the matching BNCs on the Hughes panel. See cable diagram in Figure 2-18a or 2-18b.



If installing the Hughes HJT 100/200, you must also follow the special setup instructions on page 4.

System 4_{xi} - Hughes/JVC Model 300/400 Series Connections

Use illustration below as a guide when connecting the System 4_{xi} to a Hughes/JVC model 400 projector. Refer to Hughes/JVC documentation to continue the installation.



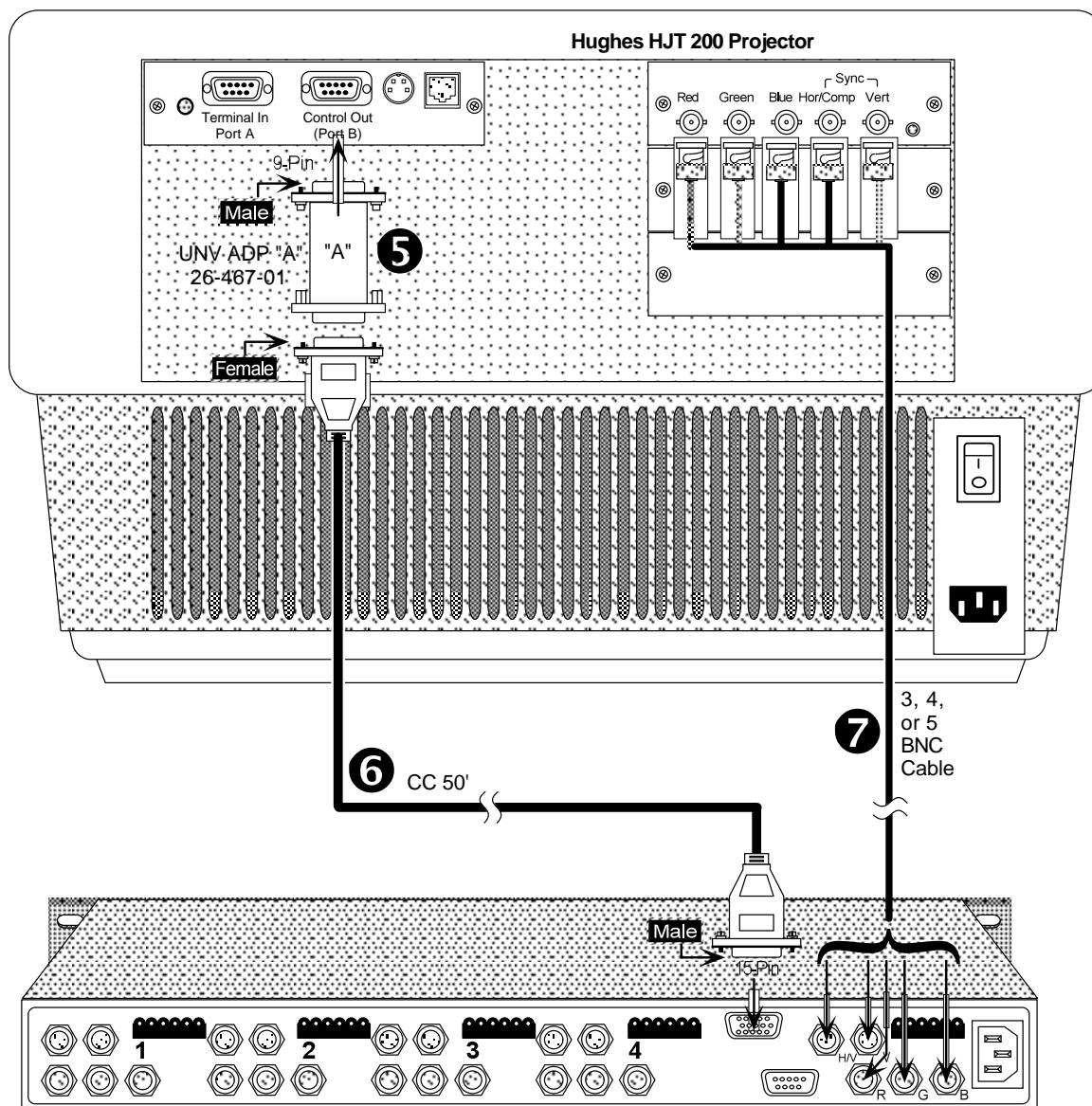
Connecting the System 4_{xi} to a Hughes/JVC Model 400 Projector



In a rack mount, do NOT allow the weight of the cables to be supported by the System 4_{xi}. See page 2-5 for cabling guidelines.

System 4_{xi} - Hughes/JVC Model HJT 100/200 Series Connections

Use the illustration below as a guide when connecting the System 4_{xi} to a Hughes/JVC HJT 100/200 projector. Refer to Hughes documentation to continue the installation.



Connecting the System 4_{xi} to a Hughes/JVC HJT 200 Projector



In a rack mount, do NOT allow the weight of the cables to be supported by the System 4_{xi}. See page 2-5 for cabling guidelines.

Special Instructions for the HJT Model 100/200 Series

The projector documentation provides instructions on how to set up and configure the Model 100/200 Series Projector for proper operation with the System 4*xi*.

The baud rate for the Extron switchers is 19200. Since Port A is locked to a baud rate of 9600, Port B should be used for Extron Switchers. The projector port assignment must be selected and the VIC channel assignment must be edited for a switcher. Following is a description of the HJT 100/200 Series Menu.

To select the Baud Rate from the Projector:

1. Go to Main Menu, select #7, **System**, then #4, **Comm. Setup**.
2. From the Comm. Setup menu, select Port B Speed.
3. From the Speed selection list, select 19200.
4. Press Escape to go back to the Comm. Setup level.

To set the projector port assignment from the Projector:

1. From the Comm. Setup menu, select Port B Device.
2. From the Device type list, select #3, **Video Switcher**.
3. Turn power off at the remote control.
4. Wait until the Arc Lamp fans have stopped running, and provide a system cold boot by toggling the circuit breaker on the projector rear panel to Off, then back to On.

To edit the VIC channel assignment from the Projector:

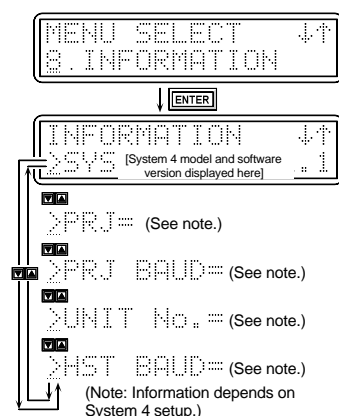
(see the Model 200 User's Guide, Section 5.3.1 for more information on editing):

1. From the Channels list, select the channel that the switcher will be assigned to.
2. Press Mode. This is a toggle key that brings up a submenu for editing. (Press Mode again to remove the submenu.)
3. Select Edit from the submenu and press Enter.
4. Use the right arrow key to toggle over to the third VIC column.
5. Press Enter and use the up/down arrow keys to select the current switcher channel number. Press Enter when the current switcher channel number is shown.
6. Press Escape to exit the Edit mode.

Connecting System 4_{xi} to Hughes-JVC DILA G1000/G10 Projectors

If the System 4_{xi} is already configured for a Hughes-JVC DILA projector, **go to step 4**. If it is not set up correctly, it will be necessary to change switch settings on the System 4_{xi}'s Main Controller Board. Begin at Step 1 to verify the correct configuration.

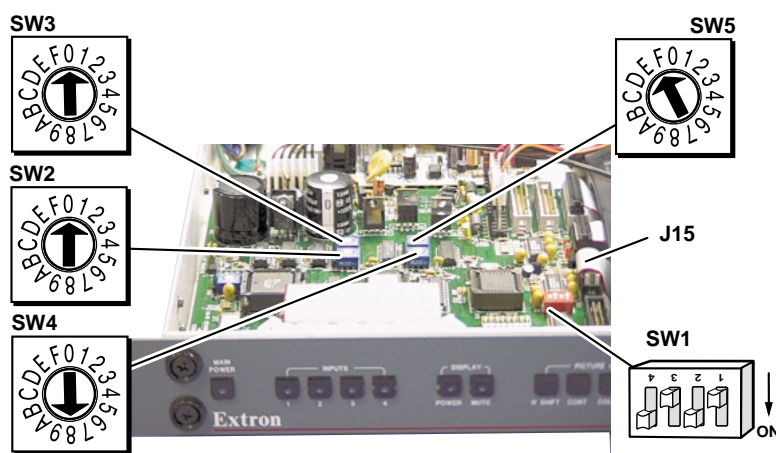
1. Use the Front Panel to display the Information Menu to verify that the System 4_{xi} is already set up for the Hughes-JVC DILA projector. Apply power to the System 4_{xi} and do the following:



- a. Press **[MENU]** to display the MENU SELECT on the LCD screen.
- b. Press **[↓]** or **[↑]** to step to Menu 8.
- c. Press **[ENTER]** to select this menu.
- d. Press **[↓]** or **[↑]** to display the configuration. The example to the left is general, your display will show the System 4_{xi} model name, the software version and the following information:
 PRJ = HUGHES
 PRJ BAUD = 19200
 UNIT No.= 000
 HST BAUD = 9600 (value depends upon setup Menu 3)

2. Go to the procedure on page 2-3 of the *System 4_{xi} User's Manual* to remove the System 4_{xi} cover. Then go to page 2-4 and refer to the configuration below to set up the Main Controller board. Continue with Step 3 (below) when the configuration is correct.

Config as	Projector	SW1: 1-2-3-4	SW2	SW3	SW4	SW5	SW6	Prj Cable	Comm Adapter
	Hughes/JVC DILA	off-on-off-on	0	0	8	F	0	J15	26-467-01



3. Double-check your work and be sure the System 4_{xi} cover is on securely.
4. Install the System 4_{xi} in its place of operation (i.e. rack), but do **not** connect the power cable.



*Changes in some switch configurations are not detected until the power is removed **at the AC cord**, and then restored.*

Refer to the following connection diagrams for your Hughes projector and continue the installation. Use the UNV ADP "A" (26-467-01) provided by Extron.

5. The Hughes Adapter has two 9-pin connectors, one male and one female. Plug the 9-pin female connector onto the 9-pin male marked "Control Out" (Port B) on the Hughes projector back panel.
6. Plug the 15-pin HD connector of the Projector Communications Extension cable (CC 50' or CC 100') into the PJ Comm port on the System 4*xi*. The other end has a 9-pin female connector. Plug this end into the other 9-pin male D connector on the HU COM Adapter.

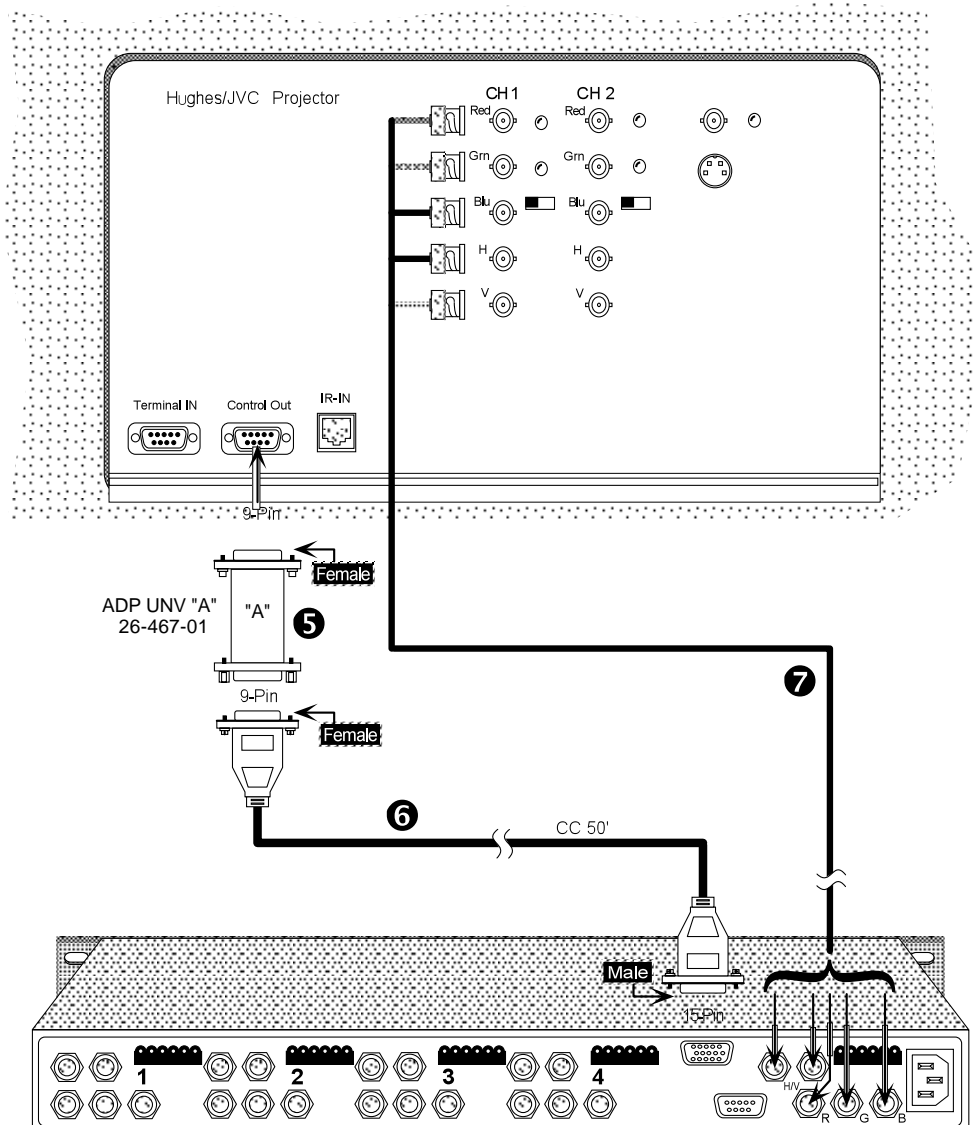


Secure all of the connector screws.

7. Plug the (4 or 5) BNC connectors from one end of the (user-supplied) RGBS/HV cable onto the System 4*xi* output and those on the other end onto the matching BNCs on the Hughes panel.

System 4*xi* Series – Hughes-JVC DILA Projector Connections

Use the illustration below as a guide when connecting the System 4*xi* to a Hughes-JVC DILA projector. Refer to Hughes documentation to continue the installation.



In a rack mount, do NOT allow the weight of the cables to be supported by the System 4*xi*. See page 2-5 for cabling guidelines.